

JORDAN RIVER BASIN

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10146400 Currant Creek Near Mona, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, sec. 6, T. 12 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on left bank 40 ft upstream from bridge crossing, 800 ft downstream from Burriston Ponds, 0.5 mi upstream from Mona Reservoir, 1 mi southwest of Mona.

DRAINAGE AREA.--225 mi².

PERIOD OF RECORD.--June 1978 to current year.

REVISED RECORDS.--WDR UT-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,890 ft above NGVD of 1929, from topographic map. Prior to June 10, 1985, at same site, different datum.
Prior to October 1, 1992, at same site, different datum.

REMARKS.--Records good. Natural flow may be affected by diversions upstream at Burriston Ponds.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 595 ft³/s, May 14, 1984, gage height, 6.30 ft; maximum gage height, 6.77 ft, May 31, 1983, site and datum then in use; minimum, 0.87 ft³/s, Sep 2, 3, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46 ft³/s, Feb 26, gage height, 5.14 ft; minimum daily discharge, 2.1 ft³/s, Aug 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	6.1	7.0	7.5	10	23	7.6	6.4	4.8	e4.3	e3.1	2.4
2	4.1	6.2	6.7	8.0	9.9	21	9.9	5.9	4.8	e4.1	e3.0	2.4
3	4.3	6.3	6.7	7.9	9.6	20	9.6	5.7	4.8	e4.2	e2.9	2.6
4	4.4	6.4	6.7	7.6	9.5	20	11	7.0	4.6	e4.1	e2.6	2.8
5	4.4	6.4	6.7	7.6	9.7	19	10	7.9	4.9	e4.0	e2.2	2.9
6	4.4	6.4	6.7	7.6	10	18	7.4	7.1	5.0	e4.1	e2.3	2.9
7	4.4	6.4	6.7	7.5	10	18	12	7.6	4.5	e4.8	e2.7	2.9
8	4.4	6.5	6.9	6.9	10	20	20	6.6	3.5	e5.3	e2.6	2.9
9	4.4	6.4	6.7	6.4	10	19	18	6.1	3.7	e4.4	e2.5	3.2
10	4.4	6.5	6.7	6.5	10	19	10	5.8	4.3	e3.5	e2.7	3.4
11	4.5	6.6	6.6	6.7	11	19	7.5	5.7	4.4	e3.4	e2.8	3.3
12	4.7	6.4	6.7	6.7	11	20	7.0	6.4	4.1	e3.8	e2.6	3.4
13	4.8	6.6	6.7	6.7	11	20	7.2	6.2	3.7	e3.1	e2.3	3.3
14	4.9	6.7	6.5	6.9	11	20	6.8	6.0	3.6	e3.6	e2.5	3.3
15	5.0	6.7	6.4	6.9	11	21	9.7	6.0	3.7	e4.2	e2.6	3.4
16	5.0	6.7	6.2	6.9	10	18	8.2	6.7	3.5	e4.3	e2.5	3.4
17	5.0	6.8	6.2	6.9	10	18	7.3	7.0	e4.5	e4.0	e2.4	3.4
18	5.0	6.7	6.3	6.8	11	19	7.7	6.6	e6.6	e3.6	e2.4	3.3
19	5.0	6.7	6.3	6.7	13	20	8.7	5.7	e4.8	e4.1	e2.5	4.2
20	5.0	6.7	6.4	6.7	16	21	7.5	5.4	e4.9	e4.6	e2.4	5.0
21	5.0	6.7	7.3	6.8	18	16	7.6	6.0	e5.0	e4.2	e2.3	4.9
22	5.1	6.7	7.1	6.9	19	18	11	5.6	e4.9	e4.3	e2.3	4.5
23	5.2	6.4	6.7	6.9	20	23	8.7	5.2	e4.6	e4.0	2.1	4.2
24	5.3	6.4	6.7	7.1	20	24	7.6	5.1	e4.6	e3.8	2.4	4.8
25	5.4	6.7	8.4	7.4	24	26	6.8	4.9	e4.6	e3.7	2.5	4.7
26	5.4	6.8	11	7.4	34	23	6.4	5.0	e4.5	e3.5	2.6	4.3
27	5.5	6.9	8.3	7.7	30	28	6.1	4.8	e4.3	e3.4	2.6	4.1
28	5.7	6.9	7.6	8.5	29	18	5.9	4.2	e4.3	e3.4	2.6	4.4
29	5.8	6.9	7.1	9.1	26	13	6.0	4.4	e4.2	e3.2	2.7	4.6
30	5.8	6.9	7.0	10	---	11	7.7	4.8	e4.8	e3.2	2.7	4.6
31	5.8	---	6.9	10	---	8.2	---	4.8	---	e3.1	2.6	---
TOTAL	152.2	197.5	215.9	229.2	433.7	601.2	266.9	182.6	134.5	121.3	79.0	109.5
MEAN	4.91	6.58	6.96	7.39	15.0	19.4	8.90	5.89	4.48	3.91	2.55	3.65
MAX	5.8	6.9	11	10	34	28	20	7.9	6.6	5.3	3.1	5.0
MIN	4.1	6.1	6.2	6.4	9.5	8.2	5.9	4.2	3.5	3.1	2.1	2.4
AC-FT	302	392	428	455	860	1,190	529	362	267	241	157	217

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	18.4	23.8	25.3	29.2	38.3	46.3	44.6	46.6	29.4	12.1	10.6	12.3
MAX	71.7	75.4	85.4	65.5	104	172	191	319	245	50.4	41.5	41.5
(WY)	(1985)	(1984)	(1984)	(1986)	(1986)	(1985)	(1985)	(1984)	(1983)	(1983)	(1984)	(1984)
MIN	4.26	4.77	5.41	7.26	8.77	13.1	8.90	5.89	3.93	3.19	2.55	2.66
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2002)	(2002)	(2004)	(2002)

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10146400 Currant Creek Near Mona, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1979 - 2004
ANNUAL TOTAL	2,450.0	2,723.5	28.0
ANNUAL MEAN	6.71	7.44	101
HIGHEST ANNUAL MEAN			1984
LOWEST ANNUAL MEAN			6.38
HIGHEST DAILY MEAN	32	Mar 19	2003
LOWEST DAILY MEAN	2.8	Aug 14	May 14, 1984
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 13	Sep 3, 2002
ANNUAL RUNOFF (AC-FT)	4,860	5,400	Aug 30, 2002
10 PERCENT EXCEEDS	11	18	20,270
50 PERCENT EXCEEDS	6.5	6.4	61
90 PERCENT EXCEEDS	3.0	2.9	14
			5.7

e Estimated

